Customer Requirements

**SpeedBumps EMBEDDED**

**ــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــــ**

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**Document Status:**

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| 1.0 | Mohamed | [26-9-2022] | * Initial Creation |

**embedded Description:**

Definition:

The device detect speed bumps

Features:

* The device can capture images.
* ECU protection and maintenance
* The device uses real time OS

Key Element

* The device has a camera that supports real-time capturing.
* Voltage and temperature levels can be tracked.
* A DC fan is used to decrease heat.
* Generate a customized OS with specific configurations.
* Sending specific signals to Complete or not complete the task

**Mapping Cutomers’s ID:**

|  |  |
| --- | --- |
| **ID Requirement** | **Covers** |
| PO\_SB\_ CR\_Speed\_Bumps\_embedded**\_001**-V1.0 | The device has a camera that supports real-time capturing |
| PO\_SB\_ CR\_Speed\_Bumps\_embedded**\_002**-V1.0 | Voltage and temperature levels can be tracked |
| PO\_SB\_ CR\_Speed\_Bumps\_embedded**\_003**-V1.0 | A DC fan is used to decrease heat |
| PO\_SB\_ CR\_Speed\_Bumps\_embedded**\_004**-V1.0 | Generate a customized OS with specific configurations |
| PO\_SB\_ CR\_Speed\_Bumps\_embedded**\_005**-V1.0 | Sending specific signals to Complete or not complete the task |